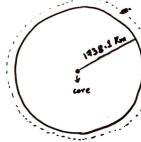
=> Greosyndmonus Orbit Calculation:

- F1 persists for the complete Moon Orbital Time Period Tm = 27.322 days Hence Rotation to = Tm [Due to cauth quantitation the Fi is tidally locked]

\* Gravitational force g = 1.62 m/s2; \* Mars Mm = 7.35 × 1022 kg



Radius Rm = 1,738.1 Km [ Equitorial Radius] Rotational Time Period => Yom = 27.3 days. = 655.2 hours

Somi-Major Axis => a = 3.844 ×108 m

Universal Gravitational Constant = G1 = 6.67 × 10-11 N·m²/Kg²

 $\frac{G_1 M_m M_5}{\omega^2} = \frac{1}{12} V_{\text{max}}^2 = \frac{3}{12} \frac{G_1 M_m}{\omega^2} = \frac{3}{12} \frac{G_1 G_1 K_1 G_1^{-1} K_2 + 35 K_1 G_2^{-1}}{2.663811485 \times 10^{-6}} = 88403353.2 M = 88403.3532 K_m$ 

$$F_g = mac \Rightarrow [ac = \gamma \omega^2] \Rightarrow F_g = m\gamma \omega^2 [\omega = Angular Velocity of Cubsat]$$

$$\Rightarrow \omega = \frac{\text{Change in Angular Position}}{\text{Change in Time}} = \frac{\Delta \theta}{\Delta t} = \frac{2\pi}{T_m} = \frac{2\pi}{655.2} \times \frac{1}{(3600)} = 2.663811435 \times 10^{-6} \text{ rad/Sec}$$

F, > Visible face for total time period Tm Fi + 00 face visibility.